(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 28 July 2005 (28.07.2005)

PCT

(10) International Publication Number WO 2005/069209 A1

(51) International Patent Classification⁷: G06K 19/07

(21) International Application Number:

PCT/KR2005/000106

(22) International Filing Date: 13 January 2005 (13.01.2005)

(25) Filing Language: English

(26) Publication Language: English

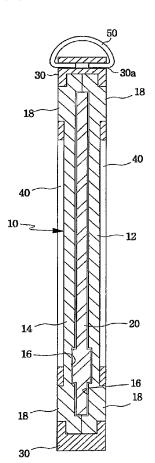
(30) Priority Data:

10-2004-0002506 14 January 2004 (14.01.2004) KR

- (71) Applicant and
- (72) Inventor: JEON, RAN SOOK [KR/KR]; HALLA VIL-LAGE A.P.T 126-1205, JUNGDONG 1027, WONMI-GU, BUCHEON-CITY, GYEONGGI-DO, 420-020 (KR).
- (74) Agents: CHOI, JOONG IL et al.; 6TH FL., WOONAM BLDG, 1139-8 GUWOL-DONG, NAMDONG-GU, IN-CHEON, 405-835 (KR).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: TOKEN COIN AND MANUFACTURING METHOD THEREOF



WO 2005/069209 A1 III

(57) Abstract: A token coin and a manufacturing method thereof are disclosed. The token coin with an RF label embedded therein may be used as a disposable coin or a fixed amount coin. Although the token coin is manufactured through insert-injection molding with the RF label embedded therein, the RF label is not damaged by the high temperature of the molding process. The token coin includes a coin body (10) fabricated from first and second discs (12, 14) each having a depression (16) at a central portion thereof. The RF label (20) is disposed in the depressions (16) of the coin body (10). The coin body (10) having the RF label (20) is, thereafter, inserted in an insert-injection mold and is subjected to an insert-injection molding process so that an outer ring 30 is integrally formed around the circumferential edge of the coin body (10), thus providing a token coin.

WO 2005/069209 A1



Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.